RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/595,200 _____

Source: _____ IFWO _____

Date Processed by STIC: _____ 03/30/2006 _____

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: _____10/595,200_____   CRF Edit Date: _03/30/2006_
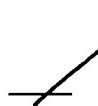   Edited by: _____DA_

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

__/__ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other:

_____
_____
_____

Revised 09/09/2003

IFWO

RAW SEQUENCE LISTING   DATE: 03/30/2006
PATENT APPLICATION: US/10/595,200   TIME: 10:28:34

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\03302006\J595200.raw

```
 3 <110> APPLICANT: ProGen Co., Ltd.
 5 <120> TITLE OF INVENTION: Method for mass production of human Follicle Stimulating
Hormone
 7 <130> FILE REFERENCE: 58049-00025
 9 <140> CURRENT APPLICATION NUMBER: US 10/595,200
10 <141> CURRENT FILING DATE: 2006-03-22
12 <150> PRIOR APPLICATION NUMBER: PCT/KR2004/002474
13 <151> PRIOR FILING DATE: 2004-09-24
15 <150> PRIOR APPLICATION NUMBER: KR 10-2003-0068641
16 <151> PRIOR FILING DATE: 2003-10-02
18 <160> NUMBER OF SEQ ID NOS: 15
20 <170> SOFTWARE: KopatentIn 1.71
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 351
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
27 <400> SEQUENCE: 1
28 atggattact acagaaaata tgcagctatc tttctggtca cattgtcggt ctttctgcat          60
30 gttctccatt ccgctcctga tgtgcaggat tgcccagaat gcacgctaca ggaaaaccca         120
32 ttcttctccc agccgggtgc cccaatactt cagtgcatgg gctgctgctt ctctagagca         180
34 tatcccactc cactaaggtc caagaagacg atgttggtcc aaaagaacgt cacctcagag         240
36 tccacttgct gtgtagctaa atcatataac agggtcacag taatgggggg tttcaaagtg         300
38 gagaaccaca cggcgtgcca ctgcagtact tgttattatc acaaatctta a                 351
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 390
43 <212> TYPE: DNA
44 <213> ORGANISM: Homo sapiens
46 <400> SEQUENCE: 2
47 atgaagacac tccagttttt cttccttttc tgttgctgga aagcaatctg ctgcaatagc          60
49 tgtgagctga ccaacatcac cattgcaata gagaagaag aatgtcgttt ctgcataagc         120
51 atcaacacca cttggtgtgc tggctactgc tacaccaggg atctggtgta taaggaccca         180
53 gccaggccca aaatccagaa aacatgtacc ttcaaggaac tggtatatga aacagtgaga         240
55 gtgcccggct gtgctcacca tgcagattcc ttgtatacat acccagtggc cacccaggtg         300
57 cactgtggca agtgtgacag cgacagcact gattgtactg tgcgaggcct ggggcccagc         360
59 tactgctcct ttggtgaaat gaaagaataa                                         390
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 27
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: sense primer for human FSH alpha subunit
71 <400> SEQUENCE: 3
72 agcgccatgg attactacag aaaatat                                             27
75 <210> SEQ ID NO: 4
```

```
 76 <211> LENGTH: 37
 77 <212> TYPE: DNA
 78 <213> ORGANISM: Artificial Sequence
 80 <220> FEATURE:
 81 <223> OTHER INFORMATION: antisense primer for human FSH alpha subunit
 84 <400> SEQUENCE: 4
 85 gggggatccg ggcccttaag atttgtgata attaaca                          37
 88 <210> SEQ ID NO: 5
 89 <211> LENGTH: 33
 90 <212> TYPE: DNA
 91 <213> ORGANISM: Artificial Sequence
 93 <220> FEATURE:
 94 <223> OTHER INFORMATION: sense primer for human FSH beta subunit
 97 <400> SEQUENCE: 5
 98 ggggcggcc gcaggatgaa gacactccag ttt                              33
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 27
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: antisense primer for human FSH beta subunit
110 <400> SEQUENCE: 6
111 ggggatatct tattctttca tttcacc                                    27
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 592
116 <212> TYPE: DNA
117 <213> ORGANISM: Encephalomyocarditis virus
119 <400> SEQUENCE: 7
120 gatatcgaat tccccctctc cctcccccccc ccctaacgtt actggccgaa gccgcttgga    60
122 ataaggccgg tgtgcgtttg tctatatgtt attttccacc atattgccgt cttttggcaa   120
124 tgtgagggcc cggaaacctg gccctgtctt cttgacgagc attcctaggg gtctttcccc   180
126 tctcgccaaa ggaatgcaag gtctgttgaa tgtcgtgaag gaagcagttc ctctggaagc   240
128 ttcttgaaga caaacaacgt ctgtagcgac cctttgcagg cagcggaacc ccccacctgg   300
130 cgacaggtgc ctctgcggcc aaaagccacg tgtataagat acacctgcaa aggcggcaca   360
132 accccagtgc cacgttgtga gttggatagt tgtggaaaga gtcaaatggc tctcctcaag   420
134 cgtattcaac aaggggctga aggatgccca gaaggtaccc cattgtatgg gatctgatct   480
136 ggggcctcgg tgcacatgct ttacatgtgt ttagtcgagg ttaaaaaaac gtctaggccc   540
138 cccgaaccac ggggacgtgg ttttcctttg aaaaacacga tgataaatgg cc           592
141 <210> SEQ ID NO: 8
142 <211> LENGTH: 654
143 <212> TYPE: DNA
144 <213> ORGANISM: Cytomegalovirus
146 <220> FEATURE:
147 <221> NAME/KEY: promoter
148 <222> LOCATION: (1)..(654)
150 <400> SEQUENCE: 8
151 gatgtacggg ccagatatac gcgttgacat tgattattga ctagttatta atagtaatca    60
153 attacggggt cattagttca tagcccatat atggagttcc gcgttacata acttacggta   120
155 aatggcccgc ctggctgacc gcccaacgac ccccgcccat tgacgtcaat aatgacgtat   180
```

RAW SEQUENCE LISTING   DATE: 03/30/2006
PATENT APPLICATION: US/10/595,200   TIME: 10:28:34

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\03302006\J595200.raw**

```
157 gttcccatag taacgccaat agggactttc cattgacgtc aatgggtgga ctatttacgg        240
159 taaactgccc acttggcagt acatcaagtg tatcatatgc caagtacgcc ccctattgac        300
161 gtcaatgacg gtaaatggcc cgcctggcat tatgcccagt acatgacctt atgggacttt        360
163 cctacttggc agtacatcta cgtattagtc atcgctatta ccatggtgat gcggttttgg        420
165 cagtacatca atgggcgtgg atagcggttt gactcacggg gatttccaag tctccacccc        480
167 attgacgtca atgggagttt gttttggcac caaaatcaac gggactttcc aaaatgtcgt        540
169 aacaactccg ccccattgac gcaaatgggc ggtaggcgtg tacggtggga ggtctatata        600
171 agcagagctc tctggctaac tagagaaccc actgcttaac tgcttatcga aatt             654
174 <210> SEQ ID NO: 9
175 <211> LENGTH: 441
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Adenovirus tripartite leader sequence
183 <400> SEQUENCE: 9
184 tcgatactct cttccgcatc gctgtctgcg agggccagct gttgggctcg cggttgagga         60
186 caaactcttc gcggtctttc cagtactctt ggatcggaaa cccgtcggcc tccgaacggt        120
188 actccgccac cgagggacct gagcgagtcc gcatcgaccg gatcggaaaa cctctcgact        180
190 gttggcgtta gtactcccta tcaaaagcgg gcatgacttc tgcgctaaga ttgtcagttt        240
192 ccaaaacga ggaggatttg atattcacct ggcccgcggt gatgcctttg agggtggccg        300
194 cgtccatctg gtcagaaaag acaatctttt tgttgtcaag cttgaggtgt ggcaggcttg        360
196 agatctggcc atacacttga gtgacaatga catccacttt gcctttctct ccacaggtgt        420
198 ccactcccag gtccaactgc a                                                  441
201 <210> SEQ ID NO: 10
202 <211> LENGTH: 19
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: sense primer for tripartite leader sequence
210 <400> SEQUENCE: 10
211 gatatcgata ctctcttcc                                                      19
214 <210> SEQ ID NO: 11
215 <211> LENGTH: 27
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: antisense primer for tripartite leader sequence
223 <400> SEQUENCE: 11
224 gcgtcgacct gcagttggac ctgggag                                             27
227 <210> SEQ ID NO: 12
228 <211> LENGTH: 564
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: dihydrofolate reductase
236 <400> SEQUENCE: 12
237 atggttcgac cattgaactg catcgtcgcc gtgtcccaaa atatggggat tggcaagaac         60
239 ggagacctac cctggcctcc gctcaggaac gagttcaagt acttccaaag aatgaccaca        120
241 acctcttcag tggaaggtaa acagaatctg gtgattatgg gtaggaaaac ctggttctcc        180
```

```
243 attcctgaga agaatcgacc tttaaaggac agaattaata tagttctcag tagagaactc        240
245 aaagaaccac cacgaggagc tcattttctt gccaaaagtt tggatgatgc cttaagactt        300
247 attgaacaac cggaattggc aagtaaagta gacatggttt ggatagtcgg aggcagttct        360
249 gtttaccagg aagccatgaa tcaaccaggc cacctcagac tctttgtgac aaggatcatg        420
251 caggaatttg aaagtgacac gttttttccca gaaattgatt tggggaaata taaacttctc      480
253 ccagaatacc caggcgtcct ctctgaggtc caggaggaaa aaggcatcaa gtataagttt       540
255 gaagtctacg agaagaaaga ctaa                                              564
258 <210> SEQ ID NO: 13
259 <211> LENGTH: 130
260 <212> TYPE: DNA
261 <213> ORGANISM: Simian virus 40
263 <220> FEATURE:
264 <221> NAME/KEY: polyA_signal
265 <222> LOCATION: (1)..(130)
267 <400> SEQUENCE: 13
268 aacttgttta ttgcagctta taatggttac aaataaagca atagcatcac aaatttcaca        60
270 aataaagcat ttttttcact gcattctagt tgtggtttgt ccaaactcat caatgtatct       120
272 tatcatgtct                                                             130
275 <210> SEQ ID NO: 14
276 <211> LENGTH: 232
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: bovine growth hormone
284 <220> FEATURE:
285 <221> NAME/KEY: polyA_signal
286 <222> LOCATION: (1)..(232)
288 <400> SEQUENCE: 14
289 ctagagctcg ctgatcagcc tcgactgtgc cttctagttg ccagccatct gttgtttgcc        60
291 cctcccccgt gccttccttg accctggaag gtgccactcc cactgtcctt tcctaataaa       120
293 atgaggaaat tgcatcgcat tgtctgagta ggtgtcattc tattctgggg ggtggggtgg       180
295 ggcaggacag caaggggggag gattgggaag acaatagcag gcatgctggg ga            232
298 <210> SEQ ID NO: 15
299 <211> LENGTH: 10
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: BamH I linker
307 <400> SEQUENCE: 15
308 cgggatcccg                                                              10
```

VERIFICATION SUMMARY   DATE: 03/30/2006
PATENT APPLICATION: **US/10/595,200**   TIME: 10:28:35

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\03302006\J595200.raw**

Raw Sequence Listing before editing
(for reference only)

IFWO

RAW SEQUENCE LISTING   DATE: 03/28/2006
PATENT APPLICATION: **US/10/595,200**   TIME: 10:06:07

Input Set : **A:\58049-00025.ST25.txt**
Output Set: **N:\CRF4\03282006\J595200.raw**

```
  3 <110> APPLICANT: ProGen Co., Ltd.
  5 <120> TITLE OF INVENTION: Method for mass production of human Follicle Stimulating
Hormone
  7 <130> FILE REFERENCE: 58049-00025
  9 <140> CURRENT APPLICATION NUMBER: US 10/595,200
 10 <141> CURRENT FILING DATE: 2006-03-22
 12 <150> PRIOR APPLICATION NUMBER: PCT/KR2004/002474
 13 <151> PRIOR FILING DATE: 2004-09-24
 15 <150> PRIOR APPLICATION NUMBER: KR 10-2003-0068641
 16 <151> PRIOR FILING DATE: 2003-10-02
 18 <160> NUMBER OF SEQ ID NOS: 15
 20 <170> SOFTWARE: KopatentIn 1.71
```

Does Not Comply
Corrected Diskette Needed
(pg-1)

ERRORED SEQUENCES

```
298 <210> SEQ ID NO: 15
299 <211> LENGTH: 10
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: BamH I linker
307 <400> SEQUENCE: 15
308 cgggatcccg                                                      10
```

E--> 309 (1)
E--> 312 (12) —> *deleted*

VERIFICATION SUMMARY   DATE: 03/28/2006
PATENT APPLICATION: **US/10/595,200**   TIME: 10:06:08

Input Set : **A:\58049-00025.ST25.txt**
Output Set: **N:\CRF4\03282006\J595200.raw**

L:309 M:254 E: No. of Bases conflict, this line has no nucleotides.
M:254 Repeated in SeqNo=15